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Datasheet for ABIN7145571
anti-NDST1 antibody (AA 40-556) (Biotin)

Overview

Quantity:	100 µg
Target:	NDST1
Binding Specificity:	AA 40-556
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NDST1 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 1 protein (40-556AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	NDST1
Alternative Name:	NDST1 (NDST1 Products)
Background:	Background: Essential bifunctional enzyme that catalyzes both the N-deacetylation and the N-

Target Details

sulfation of glucosamine (GlcNAc) of the glycosaminoglycan in heparan sulfate. Modifies the GlcNAc-GlcA disaccharide repeating sugar backbone to make N-sulfated heparosan, a prerequisite substrate for later modifications in heparin biosynthesis. Plays a role in determining the extent and pattern of sulfation of heparan sulfate. Compared to other NDST enzymes, its presence is absolutely required. Participates in biosynthesis of heparan sulfate that can ultimately serve as L-selectin ligands, thereby playing a role in inflammatory response. Aliases: NDST1 antibody, HSST antibody, HSST1 antibody, Bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 1 antibody, EC 2.8.2.8 antibody, Glucosaminyl N-deacetylase/N-sulfotransferase 1 antibody, NDST-1 antibody, N-heparan sulfate sulfotransferase 1 antibody, N-HSST 1 antibody, [Heparan sulfate]-glucosamine N-sulfotransferase 1 antibody, HSNST 1) [Includes: Heparan sulfate N-deacetylase 1 antibody, EC 3.-.-), Heparan sulfate N-sulfotransferase 1 antibody, EC 2.8.2.-)] antibody

UniProt: [P52848](#)

Pathways: [Regulation of Systemic Arterial Blood Pressure by Hormones, Glycosaminoglycan Metabolic Process](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.